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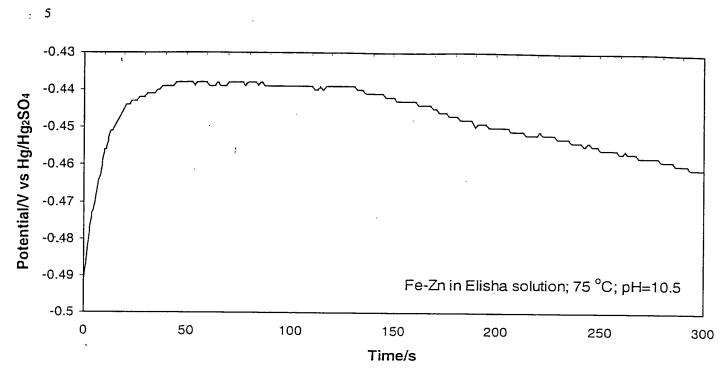


Figure 1: Open Circuit potential

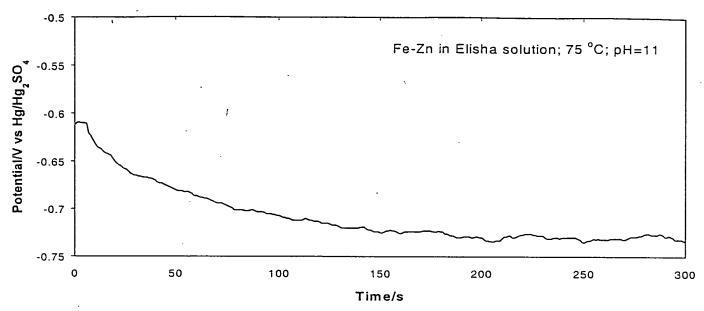


Figure 2: Open Circuit Potential

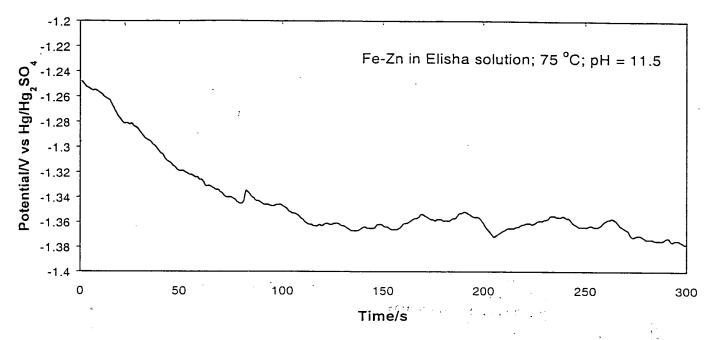


Figure 3: Open Circuit Potential

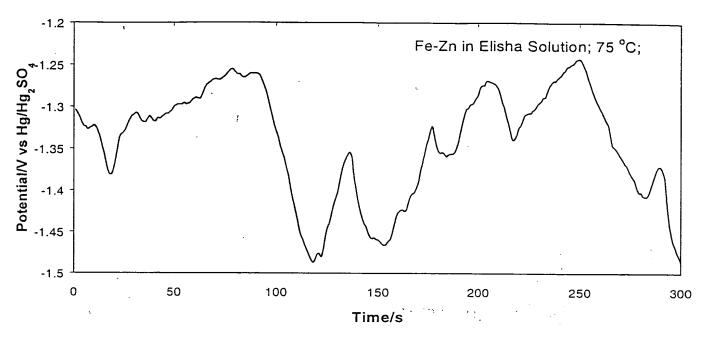


Figure 4: Open Circuit Potential

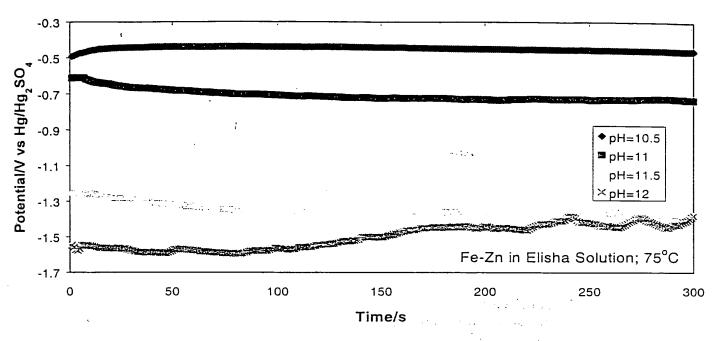


Figure 5: Open Cirrcut Potential

20.

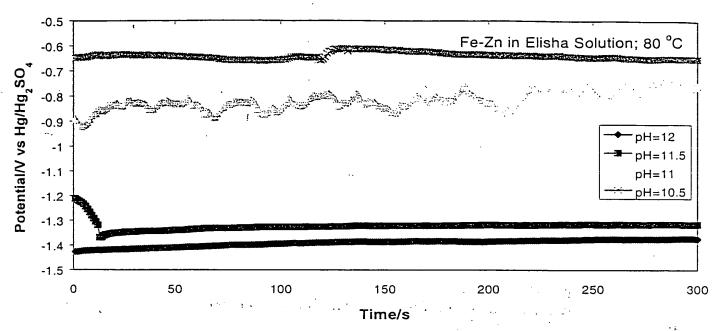


Figure 6: Open Circuit Potential

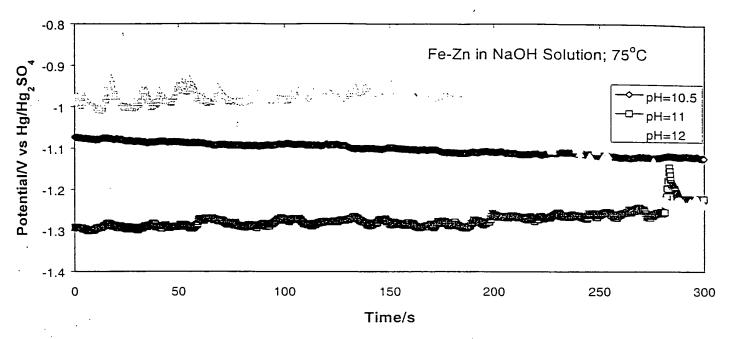
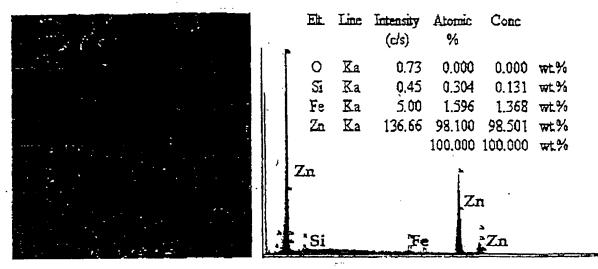


Figure7: Open Circuit Potential

SEM & EDAX Analysis of Samples Rinsed Immediately and Rinsed Later

Rinsed Immediately



Magnification - 1000 X

Rinsed Later

E	lț Line	Intensity.	Atomic %	Conc	
	O Ka	30.99	0.000	0.000	wt%
	Si Ka	106,90	23,630	11.753	wt%
F	e Ka	9.65	1.128	1.116	wt%
2	in Ka	308.01	75.242	87.131	wt.%
			100,000	100,000	wt.%
Zn			ح		
		Fe	Zn Zn		
if I			<u>, , , , , , , , , , , , , , , , , , , </u>	, hasaasa ne	7

Fig. 8

Comparison of Si Content for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride

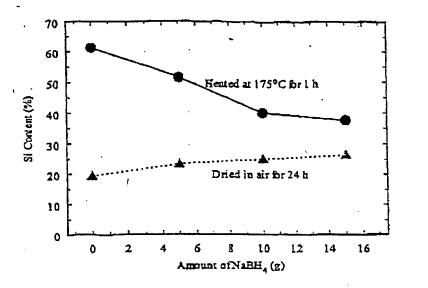
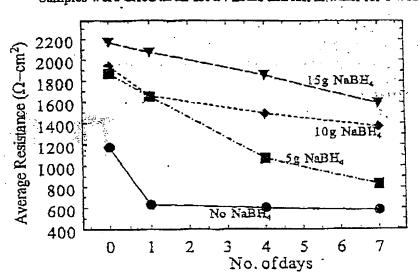


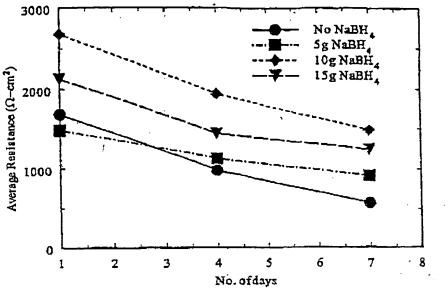
Fig. 9

Drop in Corrosion Resistance for samples mineralized in 1:3 PQ solution with no corrent and with different amounts of Sodium Borohydride Samples were dried in air for 24 hours and left in water for 1 week

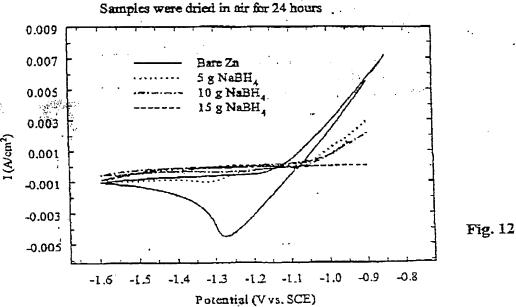
. ";;



Drop in Corrosion Resistance for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried at 175° C for I hour and left in water for I week



CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride



Inhibiting Efficiency obtained from CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried in air for 24 hours

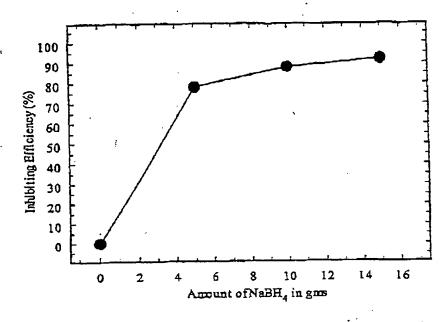
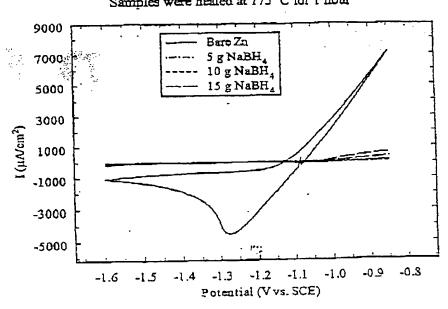


Fig. 13

CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride

Samples were heated at 175° C for 1 hour



Inhibiting Efficiency obtained from CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were heated at 175° C for 1 hour

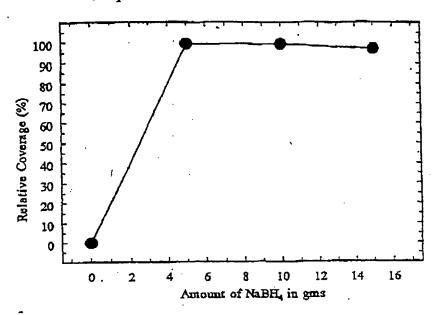
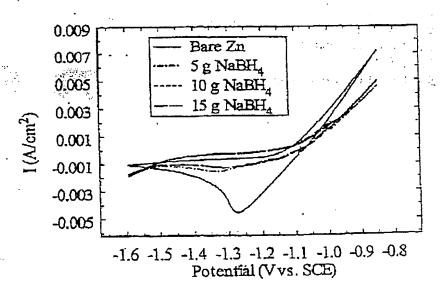


Fig. 15

CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydrids

Samples were dried in air for 24 hours and left in water for I week



Change in the Inhibiting Efficiency for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried in air for 24 hours and left in water for I week

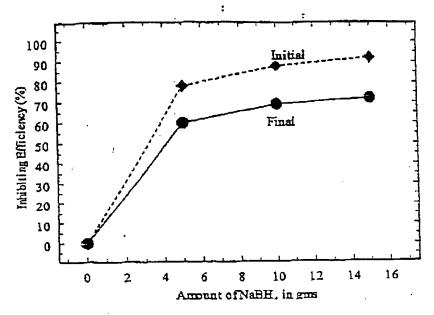
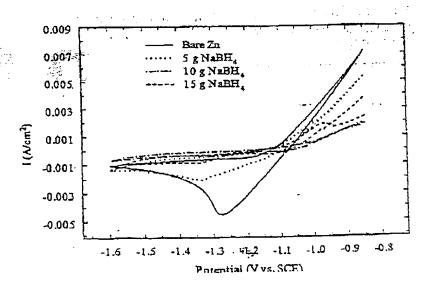


Fig. 17

CVs for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borobydride

Samples were dried at 175° C for 1 hour and left in water for 1 week



Change in the Inhibiting Efficiency for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried at 175° C for 1 hour and left in water for 1 week

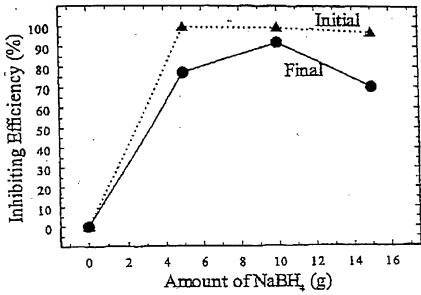


Fig. 19

Change in Morphology for sample mineralized in 1:3 PQ solution with no current and with 10 g/L of Sodium Borohydride

Samples were heated at 175° C for 1 hour

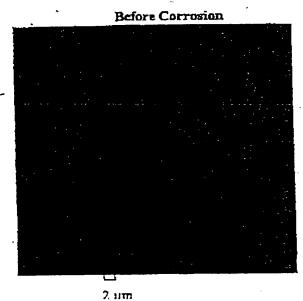
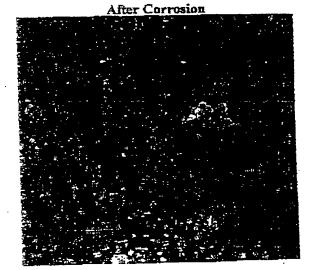


Fig. 20



Magnification: 500 X

Magnification: 2000 X

Change in Si concentration for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried in air for 24 hours and left in water for 1 week

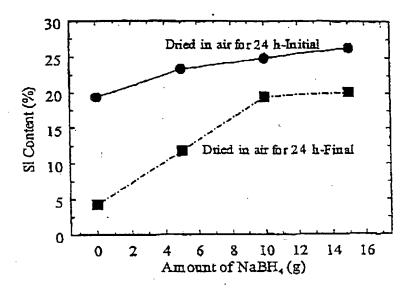


Fig. 21

Change in Si concentration for samples mineralized in 1:3 PQ solution with no current and with different amounts of Sodium Borohydride Samples were dried in air for 24 hours and left in water for 1 week

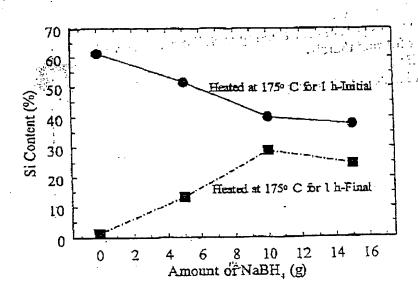


Fig. 22